

32-5987: Mouse Anti Human Lactate Dehydrogenase A(Clone: PAT1A4AT.)

Clonality :	Monoclonal
Clone Name :	PAT1A4AT.
Application :	ELISA, WB, FACS
Gene :	LDHA
Gene ID :	3939
Uniprot ID :	P00338
Format :	Purified
Alternative Name :	LDH-A, GSD11, LDH1, LDHM, PIG19, EC 1.1.1.27, lactate dehydrogenase M, LDH-M, LDH-1, L-lactate dehydrogenase A chain, LDH muscle subunit, Renal carcinoma antigen NY-REN-59, Cell proliferation-inducing gene 19 protein, LDHA.
Isotype :	Mouse IgG2b heavy chain and ? light chain.
Immunogen Information :	Anti-human LDHA mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human LDHA amino acids 1-332 purified from E. coli.

Description

LDHA catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. LDHA is localized primarily in muscle tissue and is part of the lactate dehydrogenase family. Mutations in LDHA have been linked to exertional myoglobinuria. LDH1 is decreased in essential thrombocythemia. LDHA is induced through a non-genomic pathway of estrogen action. Reduction in LDH-A activity results in stimulation of mitochondrial respiration and decrease of mitochondrial membrane potential.

Product Info

Amount :	20 µg
Purification :	LDHA antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

LDHA antibody has been tested by ELISA, Western blot and Immunofluorescence analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis and Immunofluorescence is 1:500 ~ 8,000. Recommended starting dilution is 1:1,000.